APPENDIX G

FEMA Review Sheet for State Hazard Mitigation Plans

State Review Sheet for Local Hazard Mitigation Plans

NOTE: The State Review Sheet is used here because it contains a few additional elements that are not present on the FEMA "Crosswalk" review sheet for local hazard mitigation plans.

Instructions for Using the Plan Review Crosswalk for Review of Standard State Hazard Mitigation Plans

Attached is a Plan Review Crosswalk based on the *Multi-Hazard Mitigation Planning Guidance Under the Disaster Mitigation Act of 2000*, published by FEMA, with revisions dated November 2006. This Plan Review Crosswalk is consistent with the *Disaster Mitigation Act of 2000* (P.L. 106-390), enacted October 30, 2000 and 44 CFR Part 201 – Mitigation Planning, Interim Final Rule (the Rule), published February 26, 2002.

SCORING SYSTEM

- N Needs Improvement: The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.
- **S Satisfactory:** The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Each requirement includes separate elements. All elements of a requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a summary score of "Satisfactory." A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing.

Optional matrices for assisting in the review of sections on profiling hazards and assessing vulnerability are found at the end of the Plan Review Crosswalk.

The example below illustrates how to fill in the Plan Review Crosswalk.

Example

Assessing Vulnerability by Jurisdiction

Requirement §201.4(c)(2)(ii): [The State risk assessment **shall** include an] overview and analysis of the State's vulnerability to the hazards described in this paragraph (c)(2), based on estimates provided in local risk assessments The State **shall** describe vulnerability in terms of the jurisdictions most threatened by the identified hazards, and most vulnerable to damage and loss associated with hazard event.

	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the plan describe the State's vulnerability based on information from the local risk assessments?	Section III, pp. 12- 28	The plan includes a description of local vulnerable structures. The plan presented a vulnerability summary by regions in the state. This information was collected from the approved plans on file.		✓
B. Does the plan present information on those jurisdictions that face the most risk?	Section III, pp. 30-36	 The vulnerability description did not indicate which jurisdictions were the most vulnerable. Required Revisions: Use the information provided in the summaries to determine which jurisdictions are most threatened by the identified hazards. Identify which jurisdictions have suffered or are likely to suffer the most losses. If data are not readily available, note these data limitations in the plan. Include actions in the mitigation strategy to obtain these data for the plan update. 	√	
		SUMMARY SCORE	✓	

Standard State Hazard Mitigation Plan Review and Approval Status	Standard	State	Hazard	Mitigation	Plan	Review	and	Approva	I Status
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State Point of Contact:	Address:
Title:	
Agency:	
Phone Number:	E-Mail:

FEMA Reviewer:	Title:	Date:
Date Received in FEMA Region [Insert #]		
Plan Not Approved		
Plan Approved		
Date Approved		

STANDARD STATE HAZARD MITIGATION PLAN SUMMARY CROSSWALK

The plan cannot be approved if the plan has not been formally adopted.

Each requirement includes separate elements. All elements of the requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a score of "Satisfactory." Elements of each requirement are listed on the following pages of the Plan Review Crosswalk. A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing. Reviewer's comments must be provided for requirements receiving a "Needs Improvement" score.

SCORING SYSTEM

Please check one of the following for each requirement.

- N Needs Improvement: The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.
- S Satisfactory: The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Prerequisite	NOT MET	MET
Adoption by the State: §201.4(c)(6) and §201.4(c)(7)		
Planning Process	N	S
Documentation of the Planning Process: §201.4(c)(1)		
Coordination Among Agencies: §201.4(b)		
Program Integration: §201.4(b)		
Risk Assessment	N	s
Identifying Hazards: §201.4(c)(2)(i)		
Profiling Hazards: §201.4(c)(2)(i)		
Assessing Vulnerability by Jurisdiction: §201.4(c)(2)(ii)		
Assessing Vulnerability of State Facilities: §201.4(c)(2)(ii)		
Estimating Potential Losses by Jurisdiction: §201.4(c)(2)(iii)		
Estimating Potential Losses of State Facilities: §201.4(c)(2)(iii)		

Hazard Mitigation Goals: §201.4(c)(3)(i)		
State Capability Assessment: §201.4(c)(3)(ii)		
Local Capability Assessment: §201.4(c)(3)(ii)		
Mitigation Actions: §201.4(c)(3)(iii)		
Funding Sources: §201.4(c)(3)(iv)		
Coordination of Local Mitigation Planning	N	S
Local Funding and Technical Assistance: §201.4(c)(4)(i)		
Local Plan Integration: §201.4(c)(4)(ii)		
Prioritizing Local Assistance: §201.4(c)(4)(iii)		
Severe Repetitive Loss Mitigation Strategy (only required for 90/10 under FMA & SRL) Repetitive Loss Mitigation Strategy: §201.4(c)(3)(v) Coordination with Repetitive Loss Jurisdictions	N	S
§201.4(c)(3)(v) Plan Maintenance Process	N	s
Monitoring, Evaluating, and Updating the Plan: §201.4(c)(5)(i)		
Monitoring Progress of Mitigation Activities: §201.4(c)(5)(ii) and (iii)		
STANDARD STATE HAZARD MITIGATION PLA	AN APPROVA	L STATUS
	PLAN NOT A	PPROVED
	PLAN A	PPROVED

See Reviewer's Comments

Mitigation Strategy

PREREQUISITE

Adoption by the State

Requirement §201.4(c)(6): The plan **must** be formally adopted by the State prior to submittal to [FEMA] for final review and approval.

Requirement §201.4(c)(7): The plan **must** include assurances that the State will comply with all applicable Federal statutes and regulations in effect with respect to the periods for which it receives grant funding, in compliance with 44 CFR 13.11(c). The State will amend its plan whenever necessary to reflect changes in State or Federal laws and statutes as required in 44 CFR 13.11(d).

	Location in the		SCC)RE
	Plan (section or		NOT	
Element	annex and page #)	Reviewer's Comments	MET	MET
A. Has the State formally adopted the new or updated plan?				
B. Does the plan provide assurances that the State will continue to comply with all applicable Federal statutes and regulations during the periods for which it receives grant funding, in compliance with 44 CFR 13.11(c), and will amend its plan whenever necessary to reflect changes in State or Federal laws and statutes as required in 44 CFR 13.11(d)?				
		SUMMARY SCORE		

PLANNING PROCESS: §201.4(b): An effective planning process is essential in developing and maintaining a good plan.

Documentation of the Planning Process

Requirement §201.4(c)(1): [The State plan **must** include a] description of the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how other agencies participated.

	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the plan provide a narrative description of how the new or updated plan was prepared?				
B. Does the new or updated plan indicate who was involved in the current planning process?				
C. Does the new or updated plan indicate how other agencies participated in the current planning process?				
D. Does the updated plan document how the planning team reviewed and analyzed each section of the plan?				
E. Does the updated plan indicate for each section whether or not it was revised as part of the update process?				
·		SUMMARY SCORE		

Coordination Among Agencies

Requirement §201.4(b): The [State] mitigation planning process **should** include coordination with other State agencies, appropriate Federal agencies, interested groups, and

	Location in the		SCC	DRE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the new or updated plan describe how Federal and State agencies were involved in the current planning process?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
B. Does the new or updated plan describe how interested groups (e.g., businesses, non-profit organizations, and other interested parties) were involved in the current planning process?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
C. Does the updated plan discuss how coordination among Federal and State agencies changed since approval of the previous plan?				
		SUMMARY SCORE		

Program Integration

Requirement §201.4(b): [The State mitigation planning process **should**] be integrated to the extent possible with other ongoing State planning efforts as well as other FEMA mitigation programs and initiatives.

	Location in the		SCC	ORE
Element	Plan (section or	Reviewer's Comments	N	s
	annex and page #)			
A. Does the new or updated plan describe how the State mitigation planning process is integrated with other ongoing State planning efforts?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
B. Does the new or updated plan describe how the State mitigation planning process is integrated with FEMA mitigation programs and initiatives?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
		SUMMARY SCORE		

RISK ASSESSMENT: $\S 201.4(c)(2)$: [The State plan must include a risk assessment] that provides the factual basis for activities proposed in the strategy portion of the mitigation plan. Statewide risk assessments must characterize and analyze natural hazards and risks to provide a statewide overview. This overview will allow the State to compare potential losses throughout the State and to determine their priorities for implementing mitigation measures under the strategy, and to prioritize jurisdictions for receiving technical and financial support in developing more detailed local risk and vulnerability assessments.

Identifying Hazards

Requirement §201.4(c)(2)(i): [The State risk assessment shall include an] overview of the type ... of all natural hazards that can affect the State

	Location in the		SCO	ORE
	Plan (section or		N	S
Element	annex and page #)	Reviewer's Comments		
A. Does the new or updated plan provide a description of the type of all natural hazards that can affect the State? If the hazard identification omits (without explanation) any hazards commonly recognized as threats to the State, this part of the plan cannot receive a Satisfactory score.				
		SUMMARY SCORE		

Profiling Hazards

Requirement §201.4(c)(2)(i): [The State risk assessment **shall** include an overview of the] location of all natural hazards that can affect the State, including information on previous occurrences of hazard events, as well as the probability of future hazard events, using maps where appropriate

·	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the risk assessment identify the location (i.e., geographic area affected) of each natural hazards addressed in the new or updated plan?				
B. Does the new or updated plan provide information on previous occurrences of each hazard addressed in the plan?				
C. Does the new or updated plan include the probability of future events (i.e., chance of occurrence) for each hazard addressed in the plan?				
		SUMMARY SCORE		

Assessing Vulnerability

Requirement §201.4(c)(2)(ii): [The State risk assessment **shall** include an] overview and analysis of the State's vulnerability to the hazards described in this paragraph (c)(2), based on estimates provided in local risk assessments as well as the State risk assessment. The State **shall** describe vulnerability in terms of the jurisdictions most threatened by the identified hazards, and most vulnerable to damage and loss associated with hazard events. State owned critical or operated facilities located in the identified hazard areas shall also be addressed

Requirement §201.4(d): Plan must be reviewed and revised to reflect changes in development...

Assessing Vulnerability by Jurisdiction

	Location in the		SCC	DRE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	s
A. Does the new or updated plan describe the State's vulnerability based on estimates provided in local risk assessments as well as the State risk assessment?	annex and page #)	Reviewer 5 Comments		
B. Does the new or updated plan describe the State's vulnerability in terms of the jurisdictions most threatened and most vulnerable to damage and loss associated with hazard event(s)?				
C. Does the updated plan explain the process used to analyze the information from the local risk assessments, as necessary?				
D. Does the updated plan reflect changes in development for jurisdictions in hazard prone areas?			·	
		SUMMARY SCORE		

Assessing Vulnerability of State Facilities

,	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the new or updated plan describe the types of State owned or operated critical facilities located in the identified hazard areas?	· · · · · · · · · · · · · · · · · · ·			
		SUMMARY SCORE		

Estimating Potential Losses

Requirement §201.4(c)(2)(iii): [The State risk assessment **shall** include an] overview and analysis of potential losses to the identified vulnerable structures, based on estimates provided in local risk assessments as well as the State risk assessment. The State **shall** estimate the potential dollar losses to State owned or operated buildings, infrastructure, and critical facilities located in the identified hazard areas.

Requirement §201.4(d): Plan must be reviewed and revised to reflect changes in development...

Estimating Potential Losses by Jurisdiction

,	Location in the			SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments		N	s
A. Does the new or updated plan present an overview and analysis of the potential losses to the identified vulnerable structures?	armex and page #/	Newtower 3 Comments			
B. Are the potential losses based on estimates provided in local risk assessments as well as the State risk assessment?					
C. Does the updated plan reflect the effects of changes in development on loss estimates?					
			SUMMARY SCORE		

Estimating Potential Losses of State Facilities

•	Location in the		SC	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	s
A. Does the new or updated plan present an estimate of the potential dollar losses to State owned or operated buildings, infrastructure, and critical facilities in the identified hazard areas?				
		SUMMARY SCORE		

MITIGATION STRATEGY: $\S 201.4(c)(3)$ [To be effective the plan must include a] Mitigation Strategy that provides the State's blueprint for reducing the losses identified in the risk assessment.

Hazard Mitigation Goals

Requirement §201.4(c)(3)(i): [The State mitigation strategy **shall** include a] description of State goals to guide the selection of activities to mitigate and reduce potential losses.

Requirement §201.4(d): Plan must be reviewed and revised to reflect changes in development, progress in statewide mitigation efforts, and changes in priorities...

	Location in the			SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments		N	S
A. Does the new or updated plan provide a description of State mitigation goals that guide the selection of mitigation activities?					
B. Does the updated plan demonstrate that the goals were assessed and either remain valid or have been revised?					
			SUMMARY SCORE		

State Capability Assessment Requirement $\S 201.4(c)(3)(ii)$: [The State mitigation strategy shall include a] discussion of the State's pre-and post-disaster hazard management policies, programs, and capabilities to mitigate the hazards in the area, including: an evaluation of State laws, regulations, policies, and programs related to hazard mitigation as well as to development in hazard-prone areas [and] a discussion of State funding capabilities for hazard mitigation projects

	Location in the		SCO	DRE	
		Plan (section or		N	S
	ement	annex and page #)	Reviewer's Comments	14	J
A.	Does the new or updated plan include an evaluation of the State's pre-disaster hazard management policies, programs, and capabilities?				
В.	Does the new or updated plan include an evaluation of the State's post-disaster hazard management policies, programs, and capabilities?				
	Does the new or updated plan include an evaluation of the State's policies related to development in hazard prone areas ?				
D.	. Does the new or updated plan include a discussion of State				

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funding capabilities for hazard mitigation projects?		
E. Does the updated plan address any hazard management capabilities of the State that have changed since approval of the previous plan?		
	SUMMARY SCORE	

Local Capability Assessment

Requirement §201.4(c)(3)(ii): [The State mitigation strategy **shall** include] a general description and analysis of the effectiveness of local mitigation policies, programs, and capabilities.

	Location in the			SCO	DRE
Element	Plan (section or annex and page #)	Reviewer's Comments		N	S
A. Does the new or updated plan present a general description of the local mitigation policies, programs, and capabilities?					
B. Does the new or updated plan provide a general analysis of the effectiveness of local mitigation policies, programs, and capabilities?					
			SUMMARY SCORE		

Mitigation Actions

Requirement §201.4(c)(3)(iii): [State plans **shall** include an] identification, evaluation, and prioritization of cost-effective, environmentally sound, and technically feasible mitigation actions and activities the State is considering and an explanation of how each activity contributes to the overall mitigation strategy. This section **should** be linked to local plans, where specific local actions and projects are identified.

Requirement §201.4(d): Plan must be reviewed and revised to reflect changes in development, progress in statewide mitigation efforts, and changes in priorities...

	Location in the		SCC	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the new or updated plan identify cost-effective, environmentally sound, and technically feasible mitigation actions and activities the State is considering?				
B. Does the new or updated plan evaluate these actions and activities?				
C. Does the new or updated plan prioritize these actions and activities?				
D. Does the new or updated plan explain how each activity contributes to the overall State mitigation strategy?				

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E. Does the mitigation strategy in the new or updated section reflect actions and projects identified in local plans?	Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.	
	SUMMARY SCORE	

Funding Sources

Requirement §201.4(c)(3)(iv): [The State mitigation strategy **shall** include an] identification of current and potential sources of Federal, State, local, or private funding to implement mitigation activities.

	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the new or updated plan identify current sources of Federal, State, local, or private funding to implement mitigation activities?				
B. Does the new or updated plan identify potential sources of Federal, State, local, or private funding to implement mitigation activities?				
C. Does the updated plan identify the sources of mitigation funding used to implement activities in the mitigation strategy since approval of the previous plan?				
		SUMMARY SCORE		

COORDINATION OF LOCAL MITIGATION PLANNING

Local Funding and Technical Assistance

Requirement §201.4(c)(4)(i): [The section on the Coordination of Local Mitigation Planning **must** include a] description of the State process to support, through funding and technical assistance, the development of local mitigation plans.

	Location in the		SCC	DRE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	s
Does the new or updated plan provide a description of the State process to support, through funding and technical assistance, the development of local mitigation plans?	annex and page #)	Neviewel 3 Comments		
B. Does the updated plan describe the funding and technical assistance the State has provided in the past three years to assist local jurisdictions in completing approvable mitigation plans?				
		SUMMARY SCORE		

Local Plan Integration

Requirement §201.4(c)(4)(ii): [The section on the Coordination of Local Mitigation Planning **must** include a] description of the State process and timeframe by which the local plans will be reviewed, coordinated, and linked to the State Mitigation Plan.

Requirement §201.4(d): Plan must be reviewed and revised to reflect changes in development, progress in statewide mitigation efforts, and changes in priorities...

	Location in the		SCC	DRE
	Plan (section or annex and page #)	Reviewer's Comments	N	S
Does the new or updated plan provide a description of the process and timeframe the State established to review local plans?				
B. Does the new or updated plan provide a description of the process and timeframe the State established to coordinate and link local plans to the State Mitigation Plan?				
		SUMMARY SCORE		

Prioritizing Local Assistance

Requirement §201.4(c)(4)(iii): [The section on the Coordination of Local Mitigation Planning **must** include] criteria for prioritizing communities and local jurisdictions that would receive planning and project grants under available funding programs, which **should** include consideration for communities with the highest risks, repetitive loss properties, and most intense development pressures.

Further, that for non-planning grants, a principal criterion for prioritizing grants **shall** be the extent to which benefits are maximized according to a cost benefit review of proposed projects and their associated costs.

Requirement §201.4(d): Plan must be reviewed and revised to reflect changes in development, progress in statewide mitigation efforts, and changes in priorities...

	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the new or updated plan provide a description of the criteria for prioritizing those communities and local jurisdictions that would receive planning and project grants under available mitigation funding programs?				
B. For the new or updated plan, do the prioritization criteria include, for non-planning grants, the consideration of the extent to which benefits are maximized according to a cost benefit review of proposed projects and their associated cost?				
C. For the new or updated plan, do the criteria include considerations for communities with the highest risk?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
D. For the new or updated plan, do the criteria include considerations for repetitive loss properties?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
E. For the new or updated plan, do the criteria include considerations for communities with the most intense development pressures?		Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.		
		SUMMARY SCORE		

PLAN MAINTENANCE PROCESS

Monitoring, Evaluating, and Updating the Plan Requirement $\S 201.4(c)(5)(i)$: [The Standard State Plan Maintenance Process must include an] established method and schedule for monitoring, evaluating, and updating the plan.

	Location in the		SCO)RE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
A. Does the new or updated plan describe the method and schedule for monitoring the plan? (e.g., identifies the party responsible for monitoring , includes schedule for reports, site visits, phone calls, and/or meetings)				
B. Does the new or updated plan describe the method and schedule for evaluating the plan? (e.g., identifies the party responsible for evaluating the plan, includes the criteria used to evaluate the plan)				
C. Does the new or updated plan describe the method and schedule for updating the plan?				
D. Does the updated plan include an analysis of whether the previously approved plan's method and schedule worked, and what elements or processes, if any, were changed?				
		SUMMARY SCORE		

Monitoring Progress of Mitigation Activities Requirement §201.4(c)(5)(ii): [The Standard State Plan Maintenance Process must include a] system for monitoring implementation of mitigation measures and project closeouts. Requirement §201.4(c)(5)(iii): [The Standard State Plan Maintenance Process must include a] system for reviewing progress on achieving goals as well as activities and projects in the Mitigation Strategy.

	Location in the		SCO	DRE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	S
Does the new or updated plan describe how mitigation measures and project closeouts will be monitored?				
B. Does the new or updated plan identify a system for reviewing progress on achieving goals in the Mitigation Strategy?				
C. Does the updated plan describe any modifications, if any, to the system identified in the previously approved plan to track the initiation, status, and completion of mitigation activities?				
D. Does the new or updated plan identify a system for reviewing progress on implementing activities and projects of the Mitigation Strategy?				
E. Does the updated plan discuss if mitigation actions were implemented as planned?		Note: Related to § 201.4 (c)(3)(iii)		
		SUMMARY SCORE		

SEVERE REPETITIVE LOSS STRATEGY (only required for 90/10 under FMA & SRL)

Repetitive Loss Mitigation Strategy

Requirement $\S 201.4(c)(3)(v)$: A State may request the reduced cost share authorized under $\S 79.4(c)(2)$ of this chapter for the FMA and SRL programs, if it has an approved State Mitigation Plan ... that also identifies specific actions the State has taken to reduce the number of repetitive loss properties (which must include severe repetitive loss properties), and specifies how the State intends to reduce the number of such repetitive loss properties.

	Location in the		SCC	RE
	Plan (section or		NOT	
Element	annex and page #)	Reviewer's Comments	MET	MET
A. Does the new or updated plan describe State mitigation goals that support the selection of mitigation activities for repetitive loss properties (see also Part 201.4(c)(3)(i))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
B. Does the new or updated plan consider repetitive loss properties in its evaluation of the State's hazard management policies, programs, and capabilities and its general description of the local mitigation capabilities (see also Part 201.4(c)(3)(ii))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
C. Does the new or updated plan address repetitive loss properties in its risk assessment (see also Part 201.4(c)(2))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
D. Does the new or updated plan identify, evaluate and prioritize cost-effective, environmentally sound, and technically feasible mitigation actions for repetitive loss properties (see also Part 201.4(c)(3)(iii))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
E. Does the new or updated plan describe specific actions that have been implemented to mitigate repetitive loss properties, including actions taken to reduce the number of severe repetitive loss properties?		[Note: Only required for SRL 90/10 under FMA & SRL]		
F. Does the new or updated plan identify current and potential sources of Federal, State, local, or private funding to implement mitigation activities for repetitive loss properties (see also Part 201.4(c)(3)(iv))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
		SUMMARY SCORE		

Coordination with Repetitive Loss Jurisdictions

Requirement §201.4(c)(3(v): In addition, the plan **must** describe the strategy the State has to ensure that local jurisdictions with severe repetitive loss properties take actions to reduce the number of these properties, including the development of local mitigation plans.

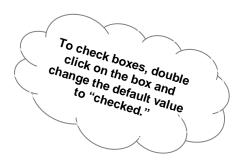
	Location in the		SCO	ORE
Element	Plan (section or annex and page #)	Reviewer's Comments	N	s
A. Does the new or updated plan provide a description of the State process to support, through funding and technical assistance, the development of local mitigation plans in communities with severe repetitive loss properties (see also Part 201.4(c)(4)(i))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
B. Does the new or updated plan include considerations for repetitive loss properties in its criteria for prioritizing communities and local jurisdictions that would receive planning and project grants under available mitigation funding programs (see also Part 201.4(c)(3)(iii))?		[Note: Only required for SRL 90/10 under FMA & SRL]		
		SUMMARY SCORE		

Matrix A: Profiling Hazards

This matrix can assist FEMA in scoring each hazard. States may find the matrix useful to ensure that their plan addresses each natural hazard that can affect the State. **Completing the matrix is not required.**

Note: First, check which hazards are identified in requirement §201.4(c)(2)(i). Then, place a checkmark in either the N or S box for each **applicable** hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.4(c)(2)(i)	nent A. Location			evious rences	C. Prob Future	ability of Events
	Yes	<u>N</u>	S	N	S	N	S
Avalanche							
Coastal Erosion							
Coastal Storm							
Dam Failure							
Drought							
Earthquake		一同					
Expansive Soils							
Extreme Heat		一同					
Flood		F					
Hailstorm		一百	\Box				一一
Hurricane							
Land Subsidence		Ħ	\Box				一百二
Landslide							
Levee Failure		一同	\Box				一 同 一
Severe Winter Storm							
Tornado		一同			一同		
Tsunami		F					
Volcano		一同	\Box				一一
Wildfire							
Windstorm							
Other		Π					
Other		Ħ			П		Π
Other							



Legend:

§201.4(c)(2)(i) Profiling Hazards

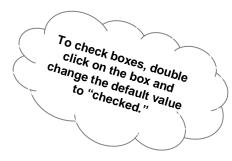
- A. Does the risk assessment identify the location (i.e., geographic area affected) of each natural hazard addressed in the new or updated plan?
- B. Does the plan provide information on previous occurrences of each hazard addressed in the new or updated plan?
- C. Does the plan include the probability of future events (i.e., chance of occurrence) for each hazard addressed in the new or updated plan?

Matrix B: Assessing Vulnerability

This matrix can assist FEMA in scoring each hazard. States may find the matrix useful to ensure that their plan addresses each requirement. Note that this matrix only includes items for Requirements §201.4(c)(2)(ii) and §201.4(c)(2)(iii) that are related to specific natural hazards that can affect the State. **Completing the matrix is not required**.

Note: First, check which hazards are identified in requirement §201.4(c)(2)(i). Then, place a checkmark in either the N or S box for each **applicable** hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.4(c)(2)(i)		1. Vulnerability by Jurisdiction		by Jurisdiction Facilities			3. Loss Estimate by Jurisdiction		4. Loss Estimate of State Facilities	
	Yes		N	S	N	S		N	S	N	S
Avalanche											
Coastal Erosion							G				
Coastal Storm		>					se				
Dam Failure		≝					Losses				
Drought		큠					1				
Earthquake		Vulnerability					Potential				
Expansive Soils		<u> </u>					ote				
Extreme Heat		g									
Flood		: Si					ing				
Hailstorm		Ses					nat				
Hurricane		Assessing					stir				
Land Subsidence							ŭ				
Landslide		§201.4(c)(2)(ii)					§201.4(c)(2)(iii) Estimating				
Levee Failure		છ					(2)				
Severe Winter Storm		4.					(2)				
Tornado		320					1.4				
Tsunami		w,					§2(
Volcano											
Wildfire											
Windstorm											
Other											
Other											
Other											



Legend

§201.4(c)(2)(ii) Assessing Vulnerability by Jurisdiction (see element B)

 Does the new or updated plan describe the State's vulnerability in terms of the jurisdictions most threatened and most vulnerable to damage and loss associated with hazard event(s)?

§201.4(c)(2)(ii) Assessing Vulnerability to State Facilities (see element A)

2. Does the **new or updated** plan describe the types of State owned or operated critical facilities located in the identified hazard areas?

§201.4(c)(2)(iii) Estimating Potential Losses by Jurisdiction (see element A)

3. Does the **new or updated** plan present an overview and analysis of the potential losses to the identified vulnerable structures?

§201.4(c)(2)(iii) Estimating Potential Losses of State Facilities (see element A)

4. Does the new or updated plan present an estimate of the potential dollar losses to State owned or operated buildings, infrastructure, and critical facilities in the identified hazard areas?

CONDENSED HAZARD MITIGATION PLAN REVIEW SHEETS oct 2012 version PAGE 1 Name and date/edition of plan_____ on ____ on ____ on ____ on ____ on ____ of plan: ____ SINGLE JURISDICTION PLAN; ___ MULTI-JURISDICTIONAL PLAN; Update of previously approved plan? ___ (% estimates are given below for required planning elements, based on the amount of work that each item probably involves) FEMA review item # follows Section One – Planning Preliminaries (Preparation, Participation, Process), Items 1-5 = 25% possible. Review total = General explanation: The plan must have been developed through the coordination of multiple agencies, providing opportunities for stakeholders (and the general public) to evaluate draft materials and contribute to the plan's refinement. Each community that seeks to gain grant eligibility for hazard mitigation projects must have participated in the plan's development. Review item #1 requires these participating communities to be clearly listed and described in the plan. Item #2 requires descriptions of the plan development process to be included in the plan. Items #3 through #5 require the inclusion (and description) of efforts to involve various stakeholders, the general public, and existing documents/resources in the development of the plan. It is estimated that about a guarter of the overall work involved in developing the plan will be related to activities such as finding and contacting stakeholders, organizing and conducting meetings, amending the draft plan to include new information and feedback from participants, and writing descriptions of such activities. 1. MULTIJURISDICTIONAL PLANS ONLY: Does the plan indicate the specific jurisdictions represented in (participating and requesting grant eligibility from) the multi-jurisdictional plan? (1%) A1 Pages 1a. Updated plans only: Does the updated plan specify each jurisdiction's status as (1) a new participant, (2) a continuing participant, or (3) a non-participant in the updated plan? Pages_ 2. Does the plan provide a narrative description of the process followed to prepare it? (9%) A1 Pages 2a. Does the plan indicate who was involved in the planning process? (For example, who led the development at the staff level and who were any external contributors, such as contractors? Who participated on a planning committee, provided information, reviewed drafts, etc.?) Pages 2b. Does the new or updated plan describe how the [each] jurisdiction participated in the plan's development? Pages 2c. **Updated plans only:** Does the updated plan document how the planning team reviewed and analyzed each section of the plan and whether/how each section was revised as part of the update process? Pages 3. Does the plan discuss the opportunity for the following parties to be involved in the planning process? (1) Neighboring communities, (2) local and regional agencies involved in hazard mitigation activities, (3) agencies that have the authority to regulate development, and (4) other interests (businesses, academia, nonprofits, etc.)? (4%) A2 Pages 4. Does the plan indicate how the public was involved in the planning process during the drafting stage, prior to plan approval? (Did they have sufficient opportunity to attend at least one open meeting and comment on the plan?) (6%) A3 Pages 5. Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information? (5%) A4 Pages _____ Additional reviewer comments:

Section Two – Hazard Analysis Section, Items 6-9 = 40% possible. Review total = %

General explanation: The plan must include descriptions of all natural hazards that may affect the jurisdiction(s) in its planning area. The reasoning process involved in evaluating these hazards should be clear. The plan must present information that is specific to the local communities in its planning area, in addition to the kind of general information that is already available in state-level plans. By considering past occurrences and known sources of risk, the plan should note any locations that have greater vulnerability, describe the types of hazard impacts that could occur (and their extent), and use this information to present estimates of the chance or frequency of future hazard occurrence, and a description of identified community vulnerabilities. A consideration of NFIP-insured structures must be included, to satisfy item #9. If a hazard or review item is not relevant for the community, or is not considered truly significant, the plan still needs to include some sort of explanation so that readers and reviewers know that the topic was actually considered (rather than overlooked). This process is estimated to involve about 40% of the total planning work.

	6. Does the plan include a description of all the types of natural hazards that affect each jurisdiction? (3%) вт
	6a. Does the plan include descriptions/maps of the location (i.e. geographic area affected) of hazards and vulnerabilities for each jurisdiction? (7%) B1 Pages
	6b. Does the plan include descriptions of the extent (i.e. magnitude or severity) of all natural hazards that affect each jurisdiction? (5%) B1 Pages
	7. Does the plan provide information on previous occurrences of each type of hazard, for each jurisdiction? (7%) B2 Pages
	7a. Does the plan provide information on the probability of future hazard events (i.e. estimated chance or frequency of occurrence) for each jurisdiction? (4%) B2 Pages
	8. Does the plan include descriptions of each identified hazard's impact on the involved jurisdictions? (6%) вз Pages
	8a. Does the plan include an overall summary of each jurisdiction's vulnerability? (5%) вз Pages
	 9. Does the plan address NFIP-insured structures that have been repetitively damaged by floods within the jurisdiction(s)? (i.e. describing the number and type of repetitive loss properties and how damages might be reduced) (3%) B4 Pages
Additional	reviewer comments:

Section Three – Action Plan Section, Items 10-14 = 30% possible; review total = %

General explanation: The hazard analysis needs to lead to specific community actions in order to be truly useful. Any community vulnerabilities that

had been identified should therefore lead to a process in which hazard mitigation strategies are considered, evaluated, selected, and prioritized. FEMA is now emphasizing that the best hazard mitigation actions can be expressed in terms of how specific resources, capabilities, programs, and authorities would be used to reduce hazard impacts or risks. Review item #10 requires these community details to be generally described, so that the plan's hazard mitigation actions can be framed in terms of these capabilities (or in terms of reducing any gaps in the capabilities). Hazard mitigation activities need to explicitly consider the topics of (1) NFIP participation or compliance (item #11 and #11a), and (2) the integration of hazard mitigation into other community plans and processes (part of item #14 but also all of item #15 on the next page).
10. Does the plan describe each jurisdiction's existing authorities, policies, programs, and resources available to accomplish hazard mitigation? (7%) c1 Pages
10a. Does the plan describe how these existing authorities, policies, programs, and resources could be expanded on and improved, to accomplish hazard mitigation? c1 Pages
11. Does the plan describe each jurisdiction's NFIP participation status (plus the availability and use of a digital Flood Insurance Rate Map)? (4%) c2 Pages
11a. Does the mitigation describe each jurisdiction's floodplain management program for continued NFIP compliance (or the reasons why jurisdictions are not participating in the NFIP)? c2 Pages
12. Does the plan include hazard mitigation goals to reduce/avoid long-term vulnerabilities to the identified hazards? (GOALS are long-term, represent what the community wants to achieve, such as "eliminate flood damage," and are based on the risk assessment findings.) (2%) c3 Pages
13. Does the plan identify and analyze a comprehensive range of specific mitigation actions and projects that are being considered by each jurisdiction to mitigate its hazards, including an emphasis on both new and existing buildings and infrastructure (and including elements that are appropriate for FEMA hazard mitigation grant funding)? (7%) C4 Pages
14. Does the plan contain an action plan that includes how the identified actions will be prioritized (i.e. the process and criteria used, including cost-benefit considerations), implemented (through existing and/or potential resources), and administered (i.e. responsible department) by each jurisdiction, to try to reduce hazard effects upon both new and existing buildings and infrastructure? (10%) c5 Pages
14a. Updated plans only: Does the updated plan identify the completed, deleted, or deferred mitigation actions, and explain why any unchanged activities have not been changed since the previous plan? D1 Pages
14b. Updated plans only: Has the updated plan been revised to reflect any changes in local land development? D2 Pages
14c. Updated plans only: Does the updated plan describe progress in local mitigation efforts since the previous plan had been completed? D2 Pages
14d. Updated plans only: Does the updated plan explain any changes in priorities since the previous plan had been completed? D3 Pages
Additional reviewer comments:

	ur – Maintenance/Implementation Section & State Requirements, Items 15-20 = 5% possible. Review total = %
	anation: The plan needs to describe activities that will occur after its completion. Although most of these items need to be included in
	, the local adoption process (item #18) is assumed to take place after the main body of the plan has been completed, reviewed, and
found to meet	t all other requirements. Therefore, plan adoption is not included in the % estimate of work involved in developing the plan itself.
	15. Does the plan describe a process by which local government(s) will integrate hazard mitigation into other planning
	mechanisms, such as comprehensive or capital improvement plans, when appropriate? (1%) c6
	Pages
	15a. Updated plans only: Does the updated plan explain how the local government(s) incorporated the mitigation
	strategy and other information (e.g. risk assessment) into other planning mechanisms (especially community master
	plans), when appropriate? Pages
	16. Does the plan explain how the community(ies) will continue public participation in the plan maintenance process? (Fo
	example: periodic presentations to community groups or at public meetings, internet and social media postings, or the use
	of questionnaires and surveys) (1%) A5 Pages
	17. Does the plan describe the method and schedule for keeping the plan current? (monitoring, evaluating, and updating
	the plan within a 5-year cycle, including the criteria used and the department responsible)? (1%) A6
	Pages
	18. Does the plan include documentation that it has been formally adopted by the jurisdiction(s) seeking approval of the
	plan (and seeking the project grant eligibility that results)? E1/E2 Pages
	19. STATE REQUIREMENT: Does the plan describe or map current warning system coverage (especially outdoor
	sirens) within the planning area? (2%) Pages
	20. NOT REQUIRED : Does the plan describe how consideration was given, during the plan development or update
	process, to those hazard mitigation goals, priorities, and information contained in the most current edition of the Michigan
	Hazard Mitigation Plan? Pages
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Additional re	viewer comments:
ARE MOR	E REVIEWER NOTES ADDED ON ADDITIONAL PAGES? No:, Yes:
TOTAL OF	ESTIMATED DEDCENT VALUES (ADDDOVIMATE AMOUNT OF WORK COMPLETED). 0/
IOIAL OF	ESTIMATED PERCENT VALUES (APPROXIMATE AMOUNT OF WORK COMPLETED):%
Is EMHSD w	villing to recommend plan approval to FEMA? Yes; Yes – but revisions are recommended before submission;
	- revisions are required before approval can be recommended; No - this was a preliminary review of draft materials

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